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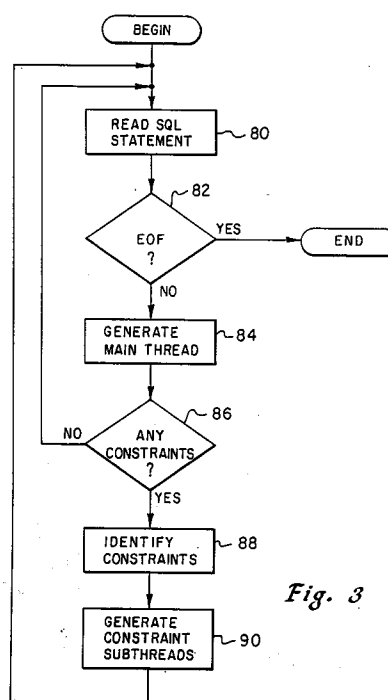
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IBM United Kingdom Limited Intellectual
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Winchester Hampshire SO21 2JN(GB)(54) **A method for generating an access plan in a database system.**

(57) A system and method for enforcing referential integrity within a database system **10** provides for determination of relevant referential constraints at compile time for an access plan. All referential constraints that are relevant to data changes to the database are identified when the access plan **14** is created. Code necessary for performing referential constraint checks is inserted directly into the access plan at compile time, eliminating the necessity for determining the relevant constraints at run time. Constraints checking can be performed using substantially the same low-level procedural statements already used in the access plan for performing database accesses.

*Fig. 3***EP 0 428 264 A3**



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EUROPEAN SEARCH REPORT

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EP 90 31 1016

DOCUMENTS CONSIDERED TO BE RELEVANT

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	ANGEWANDTE INFORMATIK, APPLIED INFORMATICS, vol. 30, no. 1, January 1988, BRAUNSCHWEIG DE pages 18 - 26; J. RÖHRLE & K. KRATZER: 'Verwaltung von Integritätsbedingungen in einem Datenwörterbuch' * page 24, column 1, line 14 - page 26, column 1, line 1 * ---	1-5, 9	G06F15/40 G06F15/401
A	THE 4TH INTERNATIONAL CONFERENCE ON ENTITY-RELATIONSHIP APPROACH 28 October 1985, CHICAGO, USA pages 295 - 302; A. DOGAC ET AL: 'The Design and Implementation of an Integrity Subsystem for the Relational DBMS RAP' * page 300, column 2, line 12 - page 300, column 2, line 28 * -----	1, 4	TECHNICAL FIELDS SEARCHED (Int. Cl.5) G06F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 03 SEPTEMBER 1992	Examiner FOURNIER C.D.J.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	